

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(L281)

PROJECT NAME: SDCP - OFF SITE INVESTIGATION

HOLE DESIGNATION: OW650

(Page 1 of 3)

PROJECT NO.: 2583

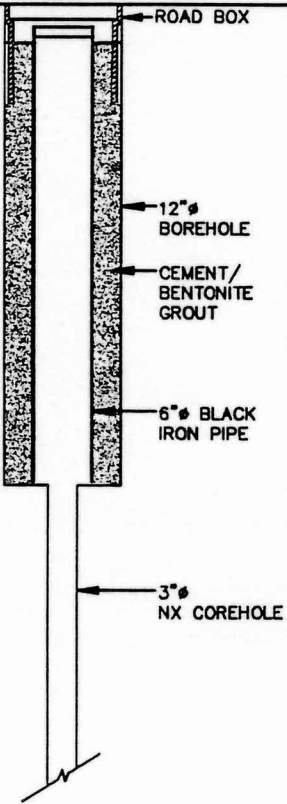
DATE COMPLETED: JULY 31, 1991

CLIENT: OXYCHEM - NIAGARA PLANT

DRILLING METHOD: 12" OD HSA

LOCATION: WEST OF PASNY CONDUITS, NORTH
OF NIAGARA PLANT

CRA SUPERVISOR: A.P. KISIEL

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEVATION ft AMSL	MONITOR INSTALLATION	SAMPLE		
				NUMBER	STATE	VALUE
	REFERENCE POINT (Top of Riser) GROUND SURFACE	568.65 569.0				
-2.5	Brown SILT, some fine sand, little fine to coarse angular gravel, trace clay, roots, dry to moist, FILL	567.0		1SS	X	43
-5.0	Mottled gray, brown and green SILT, some sand sand, trace clay, moist, NATIVE Same, except mottled brown and gray, trace to some clay, trace to some fine sand	564.0		2SS	X	9
-7.5	Red brown CLAY, some silt, moist	560.4		3SS	X	8
-10.0	Same, except moist to wet Same, with little to some silt, trace light brown silt seams, moist	559.0		4SS	X	12
-12.5	Red brown SAND, some fine to medium gravel, little silt, trace clay, moist to wet, TILL Red brown SILT, some fine to coarse gravel and sand, trace clay, moist to wet, Same, with weathered bedrock	557.2 556.6		5SS	X	7
-15.0	BEDROCK - augered to 12.4 ft and set casing to 12.3 ft BGS			6SS	X	35
-17.5	END OF OVERBURDEN HOLE @ 12.4 FT. BGS			7SS	X	>100
-20.0						
-22.5						
-25.0						
-27.5						
-30.0						
-32.5						

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS



WATER FOUND



STATIC WATER LEVEL



STRATIGRAPHIC AND INSTRUMENTATION LOG (BEDROCK)

(L282)

PROJECT NAME: SDCP - OFF SITE INVESTIGATION

HOLE DESIGNATION: OW650

PROJECT NO.: 2583

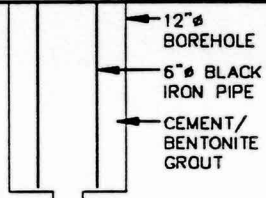
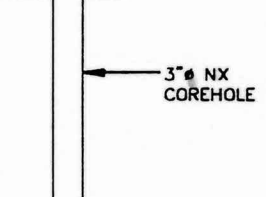
DATE COMPLETED: (Page 2 of 3)
SEPTEMBER 5, 1991

CLIENT: OXYCHEM - NIAGARA PLANT

DRILLING METHOD: NX

LOCATION: WEST OF PASNY CONDUITS, NORTH
OF NIAGARA PLANT

CRA SUPERVISOR: A.P. KISIEL

DEPTH	DESCRIPTION OF STRATA	ELEVATION	MONITOR INSTALLATION	BENTONITE OR CEMENT/GROUT	RN NUMBER	RECOVERY	ROD	WEATHER											
ft BGS		ft. AMSL				%	%	%											
	Overburden	556.7																	
10.0																			
12.5	DOLOSTONE(Oak Orchard Formation): bituminous, light to dark gray, very thin to medium bedded, fine to medium grained, saccharoidal																		
15.0	- moderately to highly weathered, some small to medium vugs (12.3 to 18.6 ft BGS) - weathered fracture, broken rock (@ 13.3 ft BGS)														1	81	60	100	
17.5	- highly weathered fracture (@ 15.3 ft BGS) - numerous weathered fractures (16.5 to 17.5 ft BGS)																		0
20.0	- slightly weathered, trace stylolites (18.6 to 19.5 ft BGS) - trace NAPL staining (19.5 to 24.0 ft BGS)																		
22.5	- highly weathered, numerous fractures, abundant small to large weathered coral, trace gypsum and sphalerite, vuggy (19.5 to 28.6 ft BGS)																		
25.0																			
27.5																			
30.0	- weathered rock fragments (28.6 to 29.0 ft BGS) - slightly weathered, trace small vugs, stylolites and gypsum (29.0 to 31.0 ft BGS)																		
32.5	- slightly to moderately weathered fractured rock, trace small to medium vugs (31.0 to 36.0 ft BGS)																		
35.0																			
37.5	- slightly to moderately weathered fractures, some small to large vugs, highly weathered coral, trace gypsum and dolomite (36.0 to 43.6 ft BGS)																		

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

☒ WATER FOUND

☒ STATIC WATER LEVEL

NM - NOT MEASURED

STRATIGRAPHIC AND INSTRUMENTATION LOG (BEDROCK)

(L282)

PROJECT NAME: SDCP - OFF SITE INVESTIGATION

HOLE DESIGNATION: OW650

PROJECT NO.: 2583

(Page 3 of 3)
DATE COMPLETED: SEPTEMBER 5, 1991

CLIENT: OXYCHEM - NIAGARA PLANT

DRILLING METHOD: NX

LOCATION: WEST OF PASNY CONDUITS, NORTH

CRA SUPERVISOR: A.P. KISIEL

DEPTH	DESCRIPTION OF STRATA	ELEVATION	MONITOR INSTALLATION	BINDER OR CV KAL	RN NUMBER	RECOVERY	RQD	WEATHER
ft BGS		ft. AMSL				%	%	%
40.0	<p>- slightly weathered fractured and overcored rock (43.6 to 45.0 ft BGS)</p> <p>- some weathered fractures, trace stylolites, small vugs, trace gypsum (45.0 to 48.3 ft BGS)</p> <p>- gypsum lined fractures and gypsum filled vugs (48.3 to 49.8 ft BGS)</p> <p>- few slightly weathered fractures, trace gypsum filled vugs (49.8 to 50.2 ft BGS)</p> <p>- slightly weathered, trace stylolites, trace small vugs, some gypsum filled vugs, no fractures (50.2 to 58.5 ft BGS)</p>	568.50	<div><div></div><div>3"Ø NX COREHOLE</div></div>		4	76	42	0
42.5					5	104	52	0
45.0								
47.5								
50.0								
52.5					6	100	90	0
55.0								
57.5								
60.0								
62.5	END OF HOLE @ 58.5 FT. BGS		510.5					
65.0								
67.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

☒ WATER FOUND

☒ STATIC WATER LEVEL

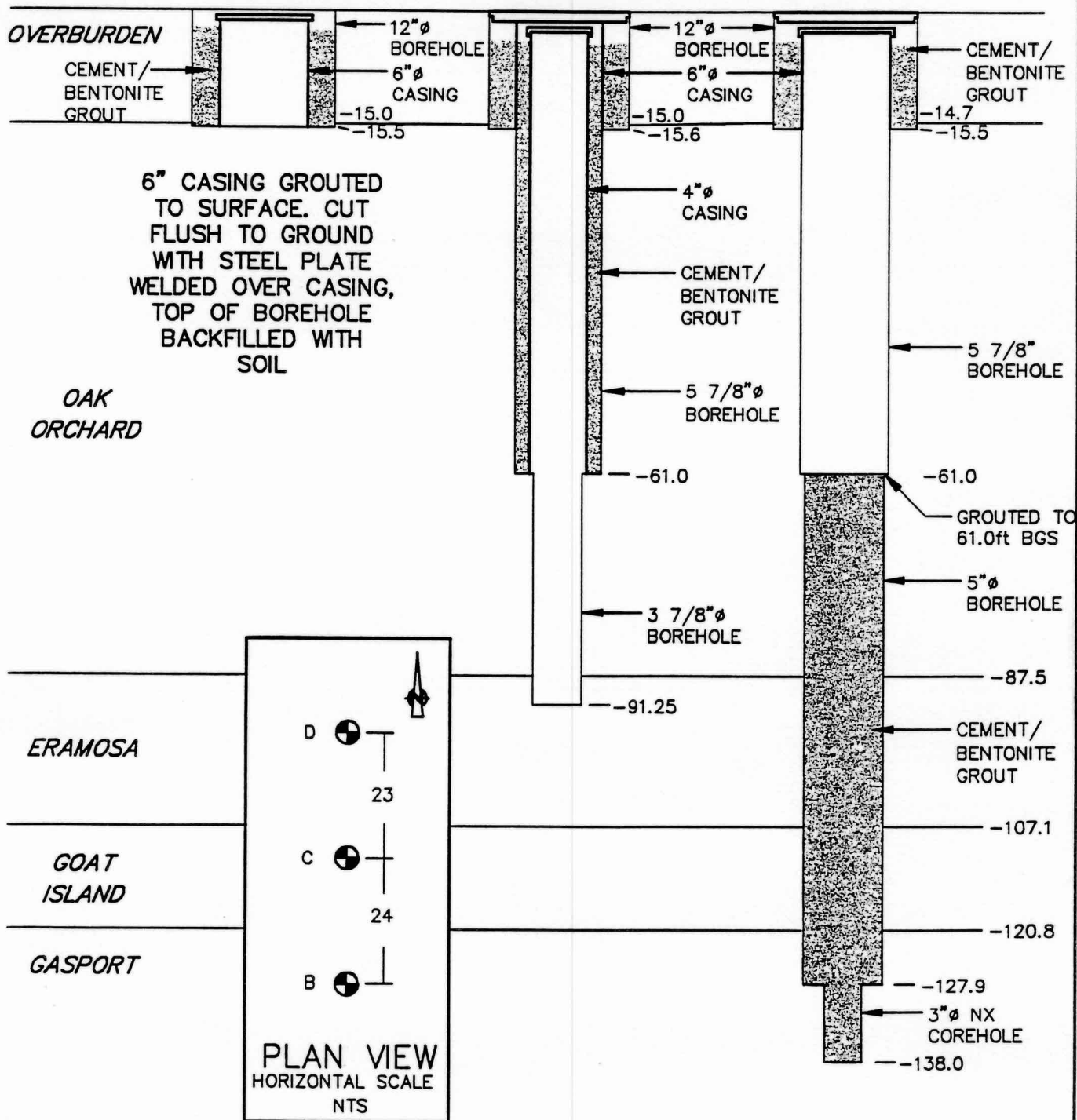
NM - NOT MEASURED

WELL
DESIGNATION :

B

C

D



VERTICAL SCALE 1"=20'

WELL INSTRUMENTATION SUMMARY OW651

Occidental Chemical Corporation—Niagara Plant

CRA

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(L283)

PROJECT NAME: SDCP - OFF SITE INVESTIGATION

PROJECT NO.: 2583

CLIENT: OXYCHEM - NIAGARA PLANT

LOCATION: NIAGARA PLANT

HOLE DESIGNATION: OW651D

DATE COMPLETED: (Page 1 of 6)
JULY 29, 1991

DRILLING METHOD: 12" OD HSA

CRA SUPERVISOR: A.P. KISIEL

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEVATION ft AMSL	MONITOR INSTALLATION	SAMPLE		
				NUMBER	STATE	VALUE
	REFERENCE POINT (Top of Riser) GROUND SURFACE	568.49 568.7				
	Brown and gray SILT, some sand, trace gravel and roots, dry, FILL	568.3		1SS	X	80
2.5	Brown and gray SAND, some fine to coarse angular gravel, dry	566.7		2SS	X	110
	Brown, red brown and gray SILT and CLAY, some fine to coarse gravel, some sand, dry	564.7		3SS	X	17
5.0	Brown, gray and green CLAY, some silt, some fine gravel, some sand, moist			4SS	X	9
7.5	Same, except mottled red brown, brown, gray, green and black, trace fine to medium subrounded gravel, trace sand and roots			5SS	X	14
	Same, except some silt, trace fine to coarse subangular to subrounded gravel, trace to little sand, trace roots			6SS	X	11
10.0	Mottled red brown, brown, gray, green and black SILT and CLAY, little sand, trace fine to coarse gravel, trace red brown laminated clay mass, moist	558.7		7SS	X	8
12.5				8SS	X	>100
	Gray fine to coarse angular GRAVEL, wet	554.7				
15.0	BEDROCK - augered to 15.5 ft BGS and set casing to 15.3 ft BGS	554.0 552.3				
	END OF OVERBURDEN HOLE @ 15.5 FT. BGS					
17.5						
20.0						
22.5						
25.0						
27.5						
30.0						
32.5						

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS



WATER FOUND



STATIC WATER LEVEL



STRATIGRAPHIC AND INSTRUMENTATION LOG (BEDROCK)

(L284)

PROJECT NAME: SDCP - OFF SITE INVESTIGATION

HOLE DESIGNATION: OW651D
(Page 3 of 6)

PROJECT NO.: 2583

DATE COMPLETED: OCTOBER 10, 1991

CLIENT: OXYCHEM - NIAGARA PLANT

DRILLING METHOD: NX

LOCATION: NIAGARA PLANT

CRA SUPERVISOR: A.P. KISIEL

DEPTH	DESCRIPTION OF STRATA	ELEVATION	MONITOR INSTALLATION	BI EN DT RE OR CV KAL	RN UN UM BER	CR OE RC OV ER Y	R Q D	WR AT TU RN
ft BGS		ft. AMSL				%	%	%
42.5	- slightly to moderately weathered, some medium gypsum filled vugs, trace coral, trace solution pitting, trace carbonaceous partings and gypsum lined fractures (38.8 to 44.9 ft BGS)				4	88	76	0
45.0	- vertical and inclined fractures (42.5 to 43.2 ft BGS)							
47.5	- moderately weathered fracture, trace sphalerite (⊙ 42.9 ft BGS) - gypsum filled vug (⊙ 44.0 and 44.7 ft BGS)							
50.0	- slightly to moderately weathered, some medium sized gypsum filled vugs, trace medium gypsum masses, trace coral, little sphalerite, fine grained, trace stylolites (44.9 to 53.9 ft BGS)				5	101	98	0
52.5	- weathered fracture (⊙ 46.7 ft BGS) - gypsum filled vug, trace sphalerite (⊙ 48.5 ft BGS)							
55.0	- weathered fracture (⊙ 49.0 ft BGS) - gypsum mass, trace sphalerite (⊙ 49.9 ft BGS)							
57.5	- numerous weathered fracture (50.6 to 51.3 ft BGS) - coral (51.7 to 52.4 ft BGS) - stylolite (⊙ 52.4 ft BGS)							
60.0	- bioturbated zone (52.4 to 52.6 ft BGS) - very few fractures, trace solution pitting, large gypsum mass, large stylolite, slight weathering, inclined bedding - large stylolite (⊙ 57.5 ft BGS) - large gypsum mass (58.1 to 58.6 ft BGS)				6	102	102	0
62.5	- moderately weathered fracture (⊙ 58.6 ft BGS) - small stylolite (⊙ 61.0 ft BGS) - inclined bedding (45° from horizontal) (⊙ 61.0 to 63.3 ft BGS)							
65.0	- stylolite (⊙ 63.7 ft BGS) - few fractures, slightly weathered, little gypsum, trace solution pitting (63.9 to 73.9 ft BGS)							
67.5								
70.0					7	101	91	0

← 3" NX
COREHOLE

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

W WATER FOUND

W STATIC WATER LEVEL

NM - NOT MEASURED

STRATIGRAPHIC AND INSTRUMENTATION LOG (BEDROCK)

(L284)

PROJECT NAME: SDCP - OFF SITE INVESTIGATION

HOLE DESIGNATION: OW651D

PROJECT NO.: 2583

(Page 4 of 6)
DATE COMPLETED: OCTOBER 10, 1991

CLIENT: OXYCHEM - NIAGARA PLANT

DRILLING METHOD: NX

LOCATION: NIAGARA PLANT

CRA SUPERVISOR: A.P. KISIEL

DEPTH	DESCRIPTION OF STRATA	ELEVATION	MONITOR INSTALLATION		BI END TR OR CV KAL	RN UN MB ER	CR OE RC OV ERY	R Q D	WR AE TT UR N										
ft BGS		ft. AMSL					%	%	%										
72.5	<ul style="list-style-type: none">- gypsum lined fracture (⊙ 70.7 ft BGS)- highly fractured zone, moderately weathered (71.1 to 71.4 ft BGS)- gypsum mass (72.0 to 72.2 ft BGS)- carbonaceous partings, moderately fractured (73.0 to 73.9 ft BGS)	481.2		<div>3" NX COREHOLE</div>		7	101	91	0										
75.0	<ul style="list-style-type: none">- fine grained, trace coral, sphalerite, trace calcite crystals, stylolites, slightly weathered (73.9 to 83.9 ft BGS)- coral (⊙ 76.0 ft BGS)- sphalerite crystal (⊙ 76.2 ft BGS)																		
77.5																			
80.0	<ul style="list-style-type: none">- stylolite (⊙ 79.2, 80.0 and 81.4 ft BGS)																		
82.5																			
85.0	<ul style="list-style-type: none">- small gypsum filled vug (⊙ 83.3 ft BGS)- fine grained, dark to light gray, some small to medium gypsum filled vugs, slightly weathered, trace carbonaceous partings (83.9 to 93.9 ft BGS)- small calcite filled vug (⊙ 85.3, 86.0 and 86.5 ft BGS)																		
87.5	ARGILLACEAOUS DOLOSTONE(Eramosa Formation): bituminous, saccharoidal, light to medium gray, thin to medium bedded, fine to medium grained, some shaly partings, trace carbonaceous partings, trace small chert nodules, trace stylolites, gypsum filled vugs, veinlets and partings																		
90.0																			
92.5																			
95.0																			
97.5																			
100.0	<ul style="list-style-type: none">- medium gypsum filled vug (⊙ 92.7 ft BGS)- trace small chert nodules (92.7 to 93.9 ft BGS)- medium gypsum filled vug (⊙ 93.2 ft BGS)- fine to medium grained, some shaly banding, shaly partings, slightly weathered, trace small chert nodules, one medium gypsum mass, trace gypsum lined fractures, trace stylolites (93.9 to 103.9 ft BGS)- slightly weathered shaly partings (98.0 to 98.4 ft BGS)																		

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

☒ WATER FOUND

☒ STATIC WATER LEVEL

NM - NOT MEASURED

STRATIGRAPHIC AND INSTRUMENTATION LOG (BEDROCK)

(L284)

PROJECT NAME: SDCP - OFF SITE INVESTIGATION

HOLE DESIGNATION: OW651D
(Page 5 of 6)

PROJECT NO.: 2583

DATE COMPLETED: OCTOBER 10, 1991

CLIENT: OXYCHEM - NIAGARA PLANT

DRILLING METHOD: NX

LOCATION: NIAGARA PLANT

CRA SUPERVISOR: A.P. KISIEL

DEPTH	DESCRIPTION OF STRATA	ELEVATION	MONITOR INSTALLATION	BI EN DT RE OR CV KAL	RN UN NM BL DR	CR OE RE CO VE RY	R Q D	WR AT TE RN
ft BGS		ft. AMSL				%	%	%
102.5	<ul style="list-style-type: none"> - medium gypsum filled vug (@ 100.7 ft BGS) - medium gypsum mass (@ 102.0 ft BGS) 	461.6	<div> <div>3" NX COREHOLE</div> </div>		10	101	93	0
105.0	<ul style="list-style-type: none"> - large stylolite (@ 103.6 ft BGS) - fine to medium grained, some large chert nodules, trace stylolites (103.9 to 108.8 ft BGS) - chert (@ 104.2 ft BGS) 				11	104	100	0
107.5	DOLOSTONE(Goat Island Formation): bituminous, light to dark gray, thin to medium bedded, fine to medium grained, some chert							
110.0	<ul style="list-style-type: none"> - medium chert nodule (@ 107.2ft BGS) - chert (@ 108.0 ft BGS) 							
112.5	<ul style="list-style-type: none"> - light gray, some massive chert nodules, trace shaly partings, trace stylolites, slightly weathered (108.8 to 118.8 ft BGS) 	447.9			12	99	96	0
115.0								
117.5								
120.0	<ul style="list-style-type: none"> - light gray to dark gray, some chert, trace gypsum masses, fine to medium bedded, fine to medium grained, slightly to moderately weathered (118.8 to 127.9 ft BGS) 							
122.5	DOLOMITIC LIMESTONE(Gasport Formation): dark to light gray, trace medium gypsum masses and gypsum filled veinlets, trace shaly partings, crinoidal fragments				13	87	77	0
125.0	<ul style="list-style-type: none"> - numerous moderately weathered fracture, darker gray (@ 119.5 to 123.8ft BGS) - medium gypsum filled vug (@ 121.5 ft BGS) 							
127.5	<ul style="list-style-type: none"> - medium gypsum mass (@ 122.7 ft BGS) 							
130.0	<ul style="list-style-type: none"> - lighter gray, finely bedded, fine to medium grained, trace crinoidal fragments, slightly weathered (127.9 to 138.0 ft BGS) 				14	100	79	0

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

☒ WATER FOUND

☒ STATIC WATER LEVEL

NM - NOT MEASURED

STRATIGRAPHIC AND INSTRUMENTATION LOG (BEDROCK)

(L284)

PROJECT NAME: SDCP - OFF SITE INVESTIGATION

HOLE DESIGNATION: OW651D
(Page 6 of 6)

PROJECT NO.: 2583

DATE COMPLETED: OCTOBER 10, 1991

CLIENT: OXYCHEM - NIAGARA PLANT

DRILLING METHOD: NX

LOCATION: NIAGARA PLANT

CRA SUPERVISOR: A.P. KISIEL

DEPTH	DESCRIPTION OF STRATA	ELEVATION	MONITOR INSTALLATION	BENTHIC RECOVERIAL	RUN NUMBER	RECOVERY	RQD	WATER RETURN
ft BGS		ft. AMSL				%	%	%
132.5								
135.0								
137.5								
140.0	END OF HOLE ① 138 FT. BGS	430.7						
142.5								
145.0								
147.5								
150.0								
152.5								
155.0								
157.5								
160.0								

← 3" NX COREHOLE

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

WATER FOUND

STATIC WATER LEVEL

NM - NOT MEASURED

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(L285)

PROJECT NAME: SDCP - OFF SITE INVESTIGATION

PROJECT NO.: 2583

CLIENT: OXYCHEM - NIAGARA PLANT

LOCATION: WEST OF UNION CARBIDE PLANT

HOLE DESIGNATION: OW652

(Page 1 of 3)

DATE COMPLETED: AUGUST 26, 1991

DRILLING METHOD: 12" OD HSA

CRA SUPERVISOR: A.P. KISIEL

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEVATION ft AMSL	MONITOR INSTALLATION	SAMPLE		
				NUMBER	STATE	VALUE
	REFERENCE POINT (Top of Riser) GROUND SURFACE	569.93 570.2				
	Brown SILT, little clay, trace sand, moist, FILL	569.7				
2.5	Blue, green and gray SLAG, some gravel and sand, dry	568.4 568.2		1SS		16
	Mottled brown and rust brown SILT, some clay, moist			2SS		7
5.0	Mottled brown and gray fine SAND, some silt, trace fine gravel, trace clay, moist to wet, NATIVE	564.4		3SS		8
	Same, with trace fine subangular gravel, trace shells, moist to wet			4SS		19
7.5	Red brown SILT, some clay, moist	562.2		5SS		5
	Same, except laminating, increased clay content, moist to wet			6SS		1
10.0	Laminated red brown and gray CLAY, some silt, trace fine sand lenses, moist	559.6		7SS		6
	Same, except red brown and brown, trace coarse gravel, trace sand, moist to wet			8SS		>50
12.5	Red brown SAND, little to some fine to coarse gravel, little silt, trace to little clay, wet, TILL	556.7				
15.0	Red brown SILT, some sand, little fine to coarse gravel, trace clay, moist to wet	555.8				
	Same, with increased gravel content, moist					
17.5	NON COMPETENT BEDROCK - auger to 14.6 ft BGS and set 6" casing, advanced roller bit to 17.5 ft BGS and set 4" casing	552.7				
	END OF OVERBURDEN HOLE @ 17.5 FT. BGS					
20.0						
22.5						
25.0						
27.5						
30.0						
32.5						

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS



WATER FOUND



STATIC WATER LEVEL



(L286)

HOLE DESIGNATION: OW652
(Page 2 of 3)

DATE COMPLETED: SEPTEMBER 16, 1991

DRILLING METHOD: NX

CRA SUPERVISOR: A.P. KISIEL

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

NM - NOT MEASURED

STRATIGRAPHIC AND INSTRUMENTATION LOG (BEDROCK)

(L286)

PROJECT NAME: SDCP - OFF SITE INVESTIGATION

HOLE DESIGNATION: OW652
(Page 3 of 3)
DATE COMPLETED: SEPTEMBER 16, 1991

PROJECT NO.: 2583

DRILLING METHOD: NX

CLIENT: OXYCHEM - NIAGARA PLANT

CRA SUPERVISOR: A.P. KISIEL

LOCATION: WEST OF UNION CARBIDE PLANT

DEPTH	DESCRIPTION OF STRATA	ELEVATION	MONITOR INSTALLATION	BI END RE OR CV KA L	RN UN MB ER	CR EO RE VE RY	R Q D	WR AE TT ER N
ft BGS		ft. AMSL				%	%	%
42.5	- calcite filled vug (⊕ 40.9 ft BGS)		← 3" NX COREHOLE		7	89	55	0
45.0								
47.5								
50.0	- highly fractured, highly weathered fractures, abundant vugs, calcite deposits in fractures, few stylolites (49.9 to 51.2 ft BGS)				8	92	74	0
52.5								
55.0	- highly fractured zone, weathered fractures, little calcite deposits in fractures, occasional vug and stylolite (55.5 to 60.5 ft BGS)							
57.5					9	62	20	0
60.0	END OF HOLE ⊕ 60.5 FT. BGS	509.7						
62.5								
65.0								
67.5								
70.0								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

☒ WATER FOUND

☒ STATIC WATER LEVEL

NM - NOT MEASURED

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(L277)

PROJECT NAME: SDCP - OFF SITE INVESTIGATION

PROJECT NO.: 2583

CLIENT: OXYCHEM - NIAGARA PLANT

LOCATION: EFW

HOLE DESIGNATION: OW653

(Page 1 of 3)
DATE COMPLETED: AUGUST 21, 1991

DRILLING METHOD: 8 1/4" ID HSA

CRA SUPERVISOR: A.P. KISIEL

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEVATION ft AMSL	MONITOR INSTALLATION	SAMPLE		
				NUMBER	STATE	VALUE
	REFERENCE POINT (Top of Riser) GROUND SURFACE	573.47 573.8				
2.5	Gray GRAVEL, some sand, dry to moist, FILL Black, yellow, buff and red fine to medium SAND, some brick, clay and ash, dry to moist Red BRICK, some fine to medium sand, dry to moist Augered to 4.0 ft BGS Same, except moist Augered to 10.5 ft BGS	572.8 571.8 569.8		1SS	X	48
				2SS	X	>100
5.0				3SS	X	>100
7.5						
10.0	Red brown SILT, little sand, trace clay, trace subrounded gravel, dry to moist, NATIVE Same, except some fine to medium round to subrounded gravel, little clay	563.3 561.8		4SS	X	30
12.5				5SS	X	87
15.0	Red brown and gray CLAY, little silt, soft, plastic, moist Same, with trace gravel	559.5 557.8		6SS	X	18
17.5	Red brown SILT, some sand, little clay, little fine round gravel, hard, dense, moist Red brown SAND, some silt, some fine to medium round to subrounded gravel, hard, dense, moist	556.4 555.8		7SS	X	22
20.0				8SS	X	70
22.5	BEDROCK- spoon refusal, augered to 21.8 ft BGS and set casing to 21.4 ft BGS END OF OVERBURDEN HOLE @ 21.8 FT. BGS	553.0 552.0		9SS	X	>100
25.0						
27.5						
30.0						
32.5						

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS



WATER FOUND



STATIC WATER LEVEL

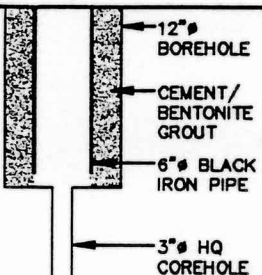


STRATIGRAPHIC AND INSTRUMENTATION LOG (BEDROCK)

(L278)

PROJECT NAME: SDCP - OFF SITE INVESTIGATION
PROJECT NO.: 2583
CLIENT: OXYCHEM - NIAGARA PLANT
LOCATION: EFW

HOLE DESIGNATION: OW653
(Page 2 of 3)
DATE COMPLETED: SEPTEMBER 10, 1991
DRILLING METHOD: 12" OD HSA
CRA SUPERVISOR: A.P. KISIEL

DEPTH	DESCRIPTION OF STRATA	ELEVATION	MONITOR INSTALLATION	BENTONITE OR CV KAL	RN NUMBER	CR RECOVERY	RQD	WRETTURN
ft BGS		ft. AMSL				%	%	%
20.0	Overburden	551.6						
22.5	DOLOSTONE(Oak Orchard Formation): bituminous, light to dark grey, very thin to medium bedded, saccharoidal, carbonaceous partings							
25.0	- rock fragments, trace solution pits, trace coral (22.2 to 23.6 ft BGS)							
27.5	- trace inclined bedding, slightly weathered, trace coral (24.2 to 25.4 ft BGS)							
30.0	- slightly weathered, some fractures, some stylolites (28.1 to 31.0 ft BGS)							
32.5	- moderately to highly weathered fractures, trace gypsum lined partings, some small to medium vugs, solution pitting (31.4 to 34.4 ft BGS)							
35.0	- slightly weathered (34.4 to 36.1 ft BGS)							
37.5	- disturbed bedding, moderately weathered, trace stylolites (36.1 to 36.7 ft BGS)							
40.0	- slightly weathered, trace stylolites, trace sphalerite (40.2 to 44.0 ft BGS)							
42.5	- fractured rock (41.5 to 41.7 ft BGS)							
45.0	- slightly to moderately weathered, some small to medium vugs, some weathered coral, trace gypsum lined veinlets and partings (44.0 to 55.2 ft BGS)							
47.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

W WATER FOUND

S STATIC WATER LEVEL

NM - NOT MEASURED

STRATIGRAPHIC AND INSTRUMENTATION LOG (BEDROCK)

(L278)

PROJECT NAME: SDCP - OFF SITE INVESTIGATION

HOLE DESIGNATION: OW653
(Page 3 of 3)

PROJECT NO.: 2583


DATE COMPLETED: SEPTEMBER 10, 1991

CLIENT: OXYCHEM - NIAGARA PLANT

DRILLING METHOD: 12" OD HSA

LOCATION: EFW

CRA SUPERVISOR: A.P. KISIEL

DEPTH	DESCRIPTION OF STRATA	ELEVATION	MONITOR INSTALLATION	BINDER OR CV KAL	RN NUMBER	CR RECOVERY	RQD	WATER RETURN
ft BGS		ft. AMSL				%	%	%
50.0	- medium gypsum filled vug (@ 54.5 ft BGS) - trace small vugs (some sphalerite filled and some lined with dolomite), trace stylolites, trace weathered coral (55.5 to 70.2 ft BGS)							
52.5					6	99	99	0
55.0								
57.5								
60.0					7	100	98	0
62.5								
65.0	END OF HOLE @ 70.2 FT. BGS	503.6						
67.5					8	90	88	0
70.0								
72.5								
75.0								
77.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

☒ WATER FOUND

☒ STATIC WATER LEVEL

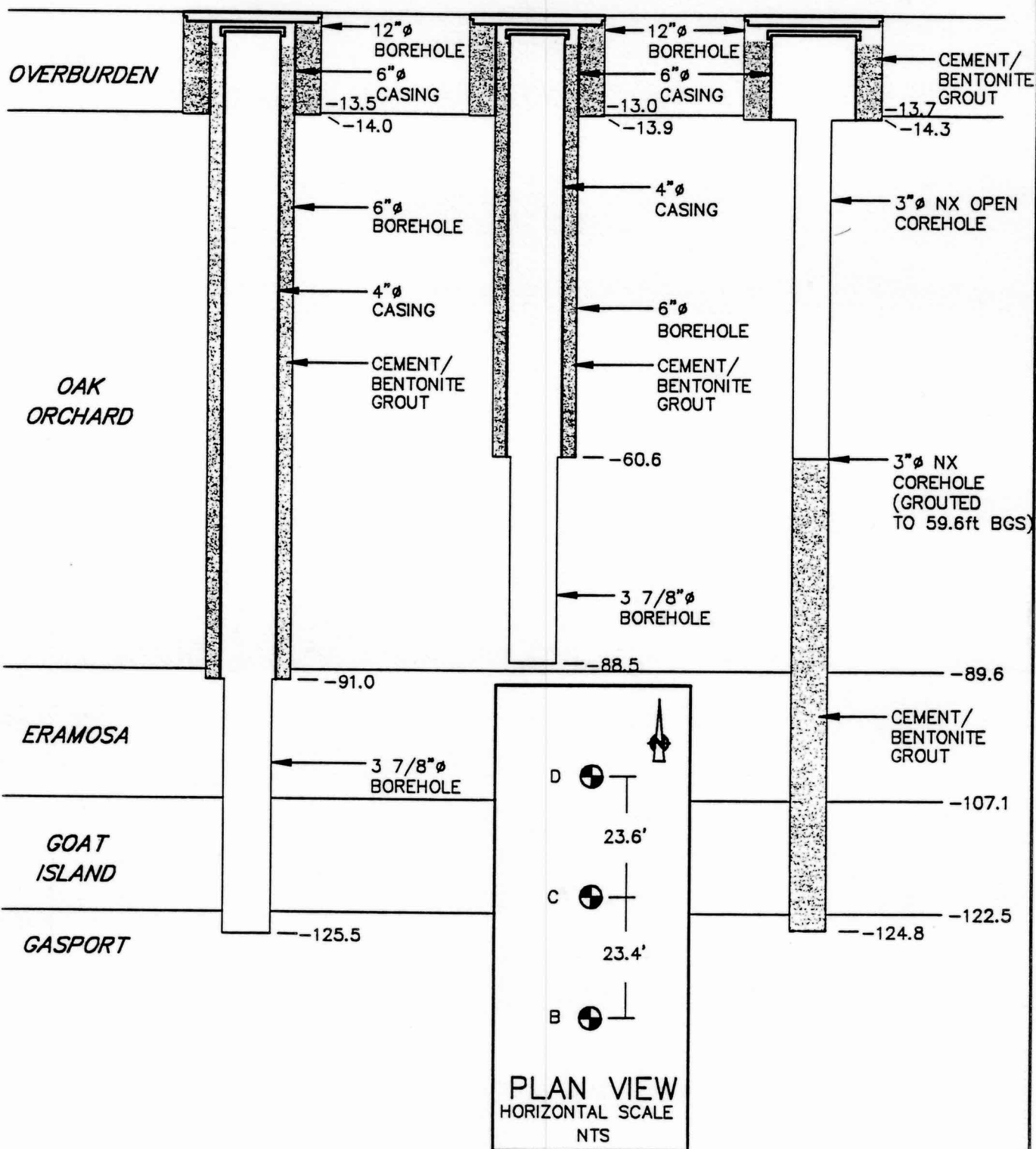
NM - NOT MEASURED

WELL
DESIGNATION :

B

C

D



VERTICAL SCALE 1"=20'

WELL INSTRUMENTATION SUMMARY

OW654

Occidental Chemical Corporation—Niagara Plant

CRA

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(L287)

PROJECT NAME: SDCP - OFF SITE INVESTIGATION

PROJECT NO.: 2583

CLIENT: OXYCHEM - NIAGARA PLANT

LOCATION: WEST OF UNION CARBIDE

HOLE DESIGNATION: OW654

DATE COMPLETED: AUGUST 23, 1991
(Page 1 of 5)

DRILLING METHOD: 12" OD HSA

CRA SUPERVISOR: A.P. KISIEL

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEVATION ft AMSL	MONITOR INSTALLATION	SAMPLE		
				NUMBER	STATE	VALUE
	REFERENCE POINT (Top of Riser) GROUND SURFACE	570.04 570.3				
	Gray brown SILT, some fine to medium gravel, some fine sand, trace clay, vegetation, dry, FILL	569.7 569.4		1SS	X	>50
2.5	Black, gray, and blue CINDERS, little ash and slag, dry	568.3 568.0		2SS	X	13
	Auger through SLAG to 2.0 ft BGS	567.1		3SS	X	7
5.0	Black CINDERS, little ash and slag, moist			4SS	X	17
	Green and gray CLAY, some silt, little fine sand, trace vegetation, moist, NATIVE	564.3		5SS	X	13
7.5	Green to gray SILT, little fine sand, trace vegetation, moist			6SS	X	29
	Same, except mottled gray and brown, little clay, trace vegetation, shell fragments, moist to wet	561.1		7SS	X	20
10.0	Same, except some clay, trace fine sand, moist					
12.5	Red brown CLAY, some silt, trace fine sand, trace very fine gravel, moist					
	Red brown SILT, some clay, little fine sand, trace fine to medium gravel, moist to wet, NATIVE	556.6 556.0				
15.0	Same, except grading to brown, some fine sand, little fine gravel, trace clay, moist to wet					
	Same, except gray brown, some fine gravel, moist					
17.5	BEDROCK - augered to 14.3 ft BGS and set casing					
	END OF OVERBURDEN HOLE @ 14.3 FT. BGS					
20.0						
22.5						
25.0						
27.5	DNAPL					
30.0						
32.5						

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS



WATER FOUND



STATIC WATER LEVEL



STRATIGRAPHIC AND INSTRUMENTATION LOG (BEDROCK)

(L288)

PROJECT NAME: SDCP - OFF SITE INVESTIGATION

HOLE DESIGNATION: OW654
(Page 2 of 5)

PROJECT NO.: 2583

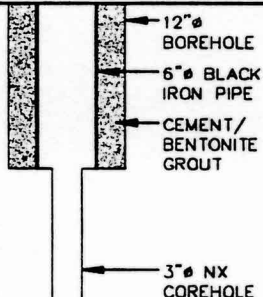
DATE COMPLETED: AUGUST 27, 1991

CLIENT: OXYCHEM - NIAGARA PLANT

DRILLING METHOD: NX

LOCATION: WEST OF UNION CARBIDE

CRA SUPERVISOR: A.P. KISIEL

DEPTH	DESCRIPTION OF STRATA	ELEVATION	MONITOR INSTALLATION	BI EN DT RE OR CV KA L	RN UN UM BER	CR OE RE CO VE RY	RO D	WR AT TE UR N
ft BGS		ft. AMSL				%	%	%
12.5	Overburden DOLOSTONE(Oak Orchard Formation): bituminous, light to dark gray, fine to medium grained, very thin to medium bedded, slightly to heavily weathered, saccharoidal, some gypsum, some coral, trace stylolites, trace sphalerite, solution pitting, vuggy	556.3						
15.0	- slightly to heavily weathered, some solution pitting, moderately fractured, several gypsum lined fractures, trace coral, trace stylolites (14.0 to 24.0 ft BGS)							
17.5	- moderately weathered fracture (@ 15.4 and 15.8 ft BGS)				1	93	75	
20.0	- stylolite (@ 15.9 ft BGS) - gypsum lined fracture (@ 16.7, 17.2, 19.5 and 19.8 ft BGS)							
22.5	- stylolite (@ 22.0 ft BGS) - finer grained, several medium vugs, bedding is slightly inclined (20° from horizontal), slight chemical odor (22.0 to 24.0 ft BGS)							
25.0	- fine to medium grained, numerous slightly to moderately weathered fractures, trace coral, solution pitting, gypsum, sphalerite, coral (24.0 to 34.0 ft BGS)							
27.5	- small vertical fracture, slightly weathered (24.8 to 25.0 ft BGS) - slight iron staining (25.4 to 25.6 ft BGS)				2	83	22	
30.0	- moderately weathered zone with solution pitting, trace gypsum filled vugs, some coral (25.9 to 27.0 ft BGS)							
32.5	- large sphalerite mass (@ 26.4 ft BGS) - medium gypsum filled vug (@ 26.6 ft BGS) - coral (26.8 to 27.0 ft BGS) - two 1/2" vertical fractures (@ 27.5 ft BGS)							
35.0	- small gypsum filled vug (@ 27.9 ft BGS) - moderately weathered zone (30.0 to 34.0 ft BGS)							
37.5	- coral (30.1 to 30.2 ft BGS) - large stylolite (@ 30.9 ft BGS) - coral (@ 31.1 ft BGS) - medium gypsum filled vug (@ 33.8 ft BGS)				3	99	99	
40.0	- slightly to moderately weathered, fine to medium grained, trace stylolites and carbonaceous partings, trace gypsum (34.0 to 44.0 ft BGS) - moderately weathered (34.0 to 34.3 ft BGS) - slightly weathered (34.3 to 44.0 ft BGS) - small gypsum filled vug, carbonaceous partings (34.9 ft BGS) - stylolite (@ 37.5, 38.3, 38.8 and 40.6 ft BGS)							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

☒ WATER FOUND

☒ STATIC WATER LEVEL

NM - NOT MEASURED

STRATIGRAPHIC AND INSTRUMENTATION LOG (BEDROCK)

(L288)

PROJECT NAME: SDCP - OFF SITE INVESTIGATION

HOLE DESIGNATION: OW654
(Page 3 of 5)
DATE COMPLETED: AUGUST 27, 1991

PROJECT NO.: 2583

CLIENT: OXYCHEM - NIAGARA PLANT

DRILLING METHOD: NX

LOCATION: WEST OF UNION CARBIDE

CRA SUPERVISOR: A.P. KISIEL

DEPTH	DESCRIPTION OF STRATA	ELEVATION	MONITOR INSTALLATION	BIENTRE OR CV KAL	RN UNUMBER	CR RECOVERY	RQD	WEATHER
ft BGS		ft. AMSL				%	%	%
42.5	<ul style="list-style-type: none"> - gypsum lined fracture (@ 40.8 ft BGS) - medium gypsum filled vug (@ 41.0 ft BGS) - stylolite (41.5 ft BGS) - carbonaceous parting (@ 41.6, 42.5 and 44.0 ft BGS) 							
45.0	<ul style="list-style-type: none"> - medium grained, moderately weathered, trace gypsum, small vugs, trace coral, (44.0 to 49.5 ft BGS) - moderately weathered, solution pitting, several weathered fractures (44.7 to 46.5 ft BGS) 							
47.5	<ul style="list-style-type: none"> - coral (@ 44.8 and 45.6 ft BGS) - small gypsum filled vug and veinlets (@ 45.9 ft BGS) - several small vugs with calcite crystals (@ 46.3 ft BGS) 							
50.0	<ul style="list-style-type: none"> - several small vugs with calcite crystals, trace coral (@ 47.3 ft BGS) - coral (47.7 to 47.9 ft BGS) 							
52.5	<ul style="list-style-type: none"> - numerous slightly weathered fractures, trace stylolites, some carbonaceous partings, medium to fine grained (49.5 to 53.5 ft BGS) 							
55.0	<ul style="list-style-type: none"> - numerous fractures, carbonaceous partings (49.5 to 51.4 ft BGS) - bedding inclined about 40° from horizontal (49.9 to 51.1 ft BGS) 							
57.5	<ul style="list-style-type: none"> - vertical fractures (50.5 to 51.0 ft BGS) - stylolite (@ 53.5 ft BGS) - medium to fine grained, slightly to moderately weathered, trace gypsum, sphalerite (53.5 to 59.0 ft BGS) 							
60.0	<ul style="list-style-type: none"> - several medium sized gypsum filled vugs and veinlets, some solution pitting, moderately weathered (53.6 to 54.4 ft BGS) 							
62.5	<ul style="list-style-type: none"> - slightly weathered (54.4 to 59.0 ft BGS) - trace sphalerite, small gypsum filled vug (@ 56.3 ft BGS) - slightly to moderately weathered, stylolites, trace gypsum, some vugs and solution pitting, trace carbonaceous partings (59.0 to 69.0 ft BGS) 							
65.0	<ul style="list-style-type: none"> - small gypsum filled vug, carbonaceous partings (@ 60.4 ft BGS) - stylolite (@ 61.9 and 63.8 ft BGS) 							
67.5	<ul style="list-style-type: none"> - heavily weathered and eroded, trace gypsum (64.0 to 64.8 ft BGS) - moderately weathered, solution pitting, numerous small vugs; some gypsum filled, several gypsum filled veinlets (64.8 to 69.0 ft BGS) 							
70.0	<ul style="list-style-type: none"> - stylolite (@ 67.0 ft BGS) - carbonaceous parting (67.8 ft BGS) 							

← 3" NX COREHOLE

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

W WATER FOUND

S STATIC WATER LEVEL

NM - NOT MEASURED

STRATIGRAPHIC AND INSTRUMENTATION LOG (BEDROCK)

(L288)

PROJECT NAME: SDCP - OFF SITE INVESTIGATION

PROJECT NO.: 2583

CLIENT: OXYCHEM - NIAGARA PLANT

LOCATION: WEST OF UNION CARBIDE

HOLE DESIGNATION: OW654

DATE COMPLETED: (Page 4 of 5)
AUGUST 27, 1991

DRILLING METHOD: NX

CRA SUPERVISOR: A.P. KISIEL

DEPTH	DESCRIPTION OF STRATA	ELEVATION	MONITOR INSTALLATION	BIENT RECOVERY	RN NUMBER	CR RECOVERY	RQD	WREATH RETURN
ft BGS						%	%	%
72.5	- fine to medium grained, moderately to slightly weathered, trace gypsum (69.0 to 79.0 ft BGS) - medium gypsum filled vug and veinlet (@ 72.4 ft BGS) - shale parting (@ 72.5 ft BGS) - slightly weathered (72.5 to 79.0 ft BGS) - small calcite crystal filled vug (@ 74.4 and 75.2 ft BGS)				8	90	67	
75.0								
77.5								
80.0	- slightly weathered, trace gypsum, sphalerite, stylolites, carbonaceous partings (79.0 to 89.0 ft BGS) - medium gypsum filled vug (@ 81.8 ft BGS)							
82.5	- stylolite (@ 82.3, 83.0 and 86.0 ft BGS)							
85.0					9	96	96	
87.5	- medium gypsum and calcite filled vug (@ 86.4 ft BGS) - small gypsum filled vug (@ 86.7 ft BGS) - carbonaceous parting (@ 87.1 ft BGS) - sphalerite (@ 87.2 ft BGS) - carbonaceous parting (@ 88.3 and 88.4 ft BGS)							
90.0	ARGILLACEOUS DOLOSTONE (Eramosa Formation), bituminous, light to medium gray, thin to medium bedded, fine to medium grained, some carbonaceous partings, shaly partings, shale banding, trace gypsum and sphalerite, trace stylolites - numerous moderately weathered fractures (90.5 to 90.8 ft BGS) - gypsum lined parting (@ 91.4 ft BGS) - slightly weathered, fine grained, little gypsum, trace sphalerite (98.0 to 100.3 ft BGS)	480.7			10	92	80	
92.5								
95.0								
97.5								
100.0					11	100	43	

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

☒ WATER FOUND

☒ STATIC WATER LEVEL

NM - NOT MEASURED

STRATIGRAPHIC AND INSTRUMENTATION LOG (BEDROCK)

(L288)

PROJECT NAME: SDCP - OFF SITE INVESTIGATION

HOLE DESIGNATION: OW654
(Page 5 of 5)
DATE COMPLETED: AUGUST 27, 1991

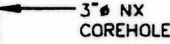
PROJECT NO.: 2583

DRILLING METHOD: NX

CLIENT: OXYCHEM - NIAGARA PLANT

CRA SUPERVISOR: A.P. KISIEL

LOCATION: WEST OF UNION CARBIDE

DEPTH	DESCRIPTION OF STRATA	ELEVATION	MONITOR INSTALLATION	BIENT RE OR CV KAL	RN UUM BER	CR ECOVERY	R OD	WR AET TERN
ft BGS		ft. AMSL				%	%	%
102.5	- fine grained, slightly weathered, trace gypsum, trace small chert nodules (100.3 to 110.3 ft BGS) - gypsum filled veinlet (@ 101.2 ft BGS) - shaly parting (@ 102.1 and 102.2 ft BGS) - small gypsum filled vug, trace sphalerite (@ 102.5 ft BGS)	463.2			12	100		
105.0	- medium gypsum filled vug (@ 103.0 ft BGS) - small chert nodule (@ 103.6 and 105.5 ft BGS)							
107.5	DOLOSTONE(Goat Island Formation): bituminous, medium to dark gray, thin to medium bedded, fine to medium grained, some chert, trace shaly partings, trace stylolites, slightly weathered, some gypsum							
110.0	- fine to medium grained, slightly weathered, some chert, trace stylolites (110.3 to 120.3 ft BGS)	447.8			13	41		
112.5								
115.0	- numerous weathered fractures (114.5 to 120.3 ft BGS)							
117.5		445.5			14	70	20	
120.0	- numerous weathered fractures, trace crinoids (120.3 to 124.3 ft BGS)							
122.5	DOLOMITIC LIMESTONE(Gasport Formation): bituminous, medium to dark gray, very thin to medium bedded, fine to medium grained, trace crinoidal fragments							
125.0	END OF HOLE @ 124.8 FT. BGS							
127.5								
130.0								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

☒ WATER FOUND

☒ STATIC WATER LEVEL

NM - NOT MEASURED

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(L289)

PROJECT NAME: SDCP - OFF SITE INVESTIGATION

PROJECT NO.: 2583

CLIENT: OXYCHEM - NIAGARA PLANT

LOCATION: ELKEM PROPERTY

HOLE DESIGNATION: OW655

DATE COMPLETED: AUGUST 22, 1991
(Page 1 of 3)

DRILLING METHOD: 12" OD HSA

CRA SUPERVISOR: A.P. KISIEL

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEVATION ft AMSL	MONITOR INSTALLATION	SAMPLE		
				NUMBER	STATE	VALUE
	REFERENCE POINT (Top of Riser) GROUND SURFACE	571.14 571.4				
	Brown SILT, some gravel >3mm, some sand, pieces of limestone, FILL (topsoil 0-4")			1SS	X	23
2.5	Brown SILT, limestone pieces, some fine sand, black mottling, moist	569.4		2SS	X	9
		567.4		3SS	X	7
5.0	Same, black mottling, gravel <1mm, more fragments, some clay			4SS	X	9
		565.4		5SS	X	17
7.5	Brown red CLAY, some fine silt, black to orange mottling, NATIVE			6SS	X	7
	Same, fat clay, plastic			7SS	X	0
10.0	Same, brown to red gray			8SS	X	41
		559.4		9SS	X	37
12.5	Red to gray CLAY, soft, plastic, saturated			10SS	X	>100
		557.4				
15.0	Red CLAY, 3" limestone/boulder					
		555.4				
17.5	Brown gray to red CLAY, some silt, boulder, rock fragments					
		553.4 553.0				
20.0	BEDROCK - augered to 18.4 ft BGS and set casing to 18.35 ft BGS END OF OVERBURDEN HOLE @ 18.4 FT. BGS					
22.5						
25.0						
27.5						
30.0						
32.5						

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS



WATER FOUND



STATIC WATER LEVEL



STRATIGRAPHIC AND INSTRUMENTATION LOG (BEDROCK)

(L290)

PROJECT NAME: SDCP - OFF SITE INVESTIGATION

HOLE DESIGNATION: OW655
(Page 2 of 3)

PROJECT NO.: 2583

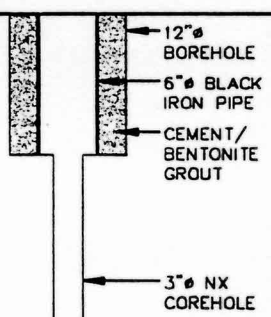
DATE COMPLETED: OCTOBER 18, 1991

CLIENT: OXYCHEM - NIAGARA PLANT

DRILLING METHOD: NX

LOCATION: ELKEM PROPERTY

CRA SUPERVISOR: A.P. KISIEL

DEPTH	DESCRIPTION OF STRATA	ELEVATION	MONITOR INSTALLATION	BENTONITE OR CV L	RN NUMBER	RECOVERY	RQD	WEATHER
ft BGS		ft. AMSL				%	%	%
17.5	Overburden	552.7						
20.0	DOLOSTONE(Oak Orchard Formation): bituminous, light to dark gray, very thin to medium bedded, saccharoidal, carbonaceous partings - broken rock, weathered (18.7 to 19.0 ft BGS)					1	76	21
22.5	- highly weathered, large vug (19.0 to 19.1 ft BGS)					2	97	81
25.0	- slightly weathered, some inclined bedding, some inclined and horizontal weathered fractures, trace small vugs (19.1 to 22.0 ft BGS)							
27.5	- vertical fracture (21.4 to 21.6 ft BGS)							
30.0	- slightly to moderately weathered, some solution pitting, trace stylolites, trace small to medium gypsum lined partings and vugs (22.0 to 34.5 ft BGS)							
32.5	- weathered fracture (@ 24.5 and 25.5 ft BGS)							
35.0	- some weathered fractures (30.9 to 32.2 ft BGS)					3	86	66
37.5	- moderately weathered, trace stylolites, trace small vugs, trace gypsum lined partings and gypsum filled vugs, trace coral (34.5 to 40.6 ft BGS)					4	107	92
40.0	- weathered fracture, trace dark brown staining with chemical odor (35.0ft BGS)							
42.5	- weathered fractures (35.4 to 35.9 ft BGS)							
45.0	- moderately weathered, fossiliferous zone (37.6 to 40.6 ft BGS)					5	97	97
	- slightly weathered, trace small vugs, trace stylolites, trace gypsum (40.6 to 44.0 ft BGS)							
	- slightly weathered, trace stylolites, small vugs and gypsum (44.0 to 64.0 ft BGS)							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

WATER FOUND

STATIC WATER LEVEL

NM - NOT MEASURED

STRATIGRAPHIC AND INSTRUMENTATION LOG (BEDROCK)

(L290)

PROJECT NAME: SDCP - OFF SITE INVESTIGATION

HOLE DESIGNATION: OW655
(Page 3 of 3)

PROJECT NO.: 2583

DATE COMPLETED: OCTOBER 18, 1991

CLIENT: OXYCHEM - NIAGARA PLANT

DRILLING METHOD: NX

LOCATION: ELKEM PROPERTY

CRA SUPERVISOR: A.P. KISIEL

DEPTH	DESCRIPTION OF STRATA	ELEVATION	MONITOR INSTALLATION	BIT RECORD CV KAL	RUN NUMBER	RECOVERY	ROD	WATER RETURN
ft BGS		ft. AMSL				%	%	%
47.5	- weathered coral (@ 49.6 ft BGS)				5	97	97	0
50.0								
52.5					6	102	12	0
55.0								
57.5	- disturbed bedding, inclined shaly partings, some gypsum (57.7 to 58.8 ft BGS) - trace brown staining (59.0 to 59.7 ft BGS)							
60.0					7	100	100	0
62.5	- some small gypsum filled vugs and veinlets, some small vugs (62.6 to 64.0 ft BGS)	507.4						
65.0	END OF HOLE @ 64 FT. BGS							
67.5								
70.0								
72.5								
75.0								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

☒ WATER FOUND

☒ STATIC WATER LEVEL

NM - NOT MEASURED